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**(54) CHARGING CONTROL
CIRCUIT FOR SECONDARY
BATTERY**

(57) Abstract:

PROBLEM TO BE SOLVED: To reduce adapter power supply by detecting fluctuation of load from fluctuation of battery voltage, storing and resetting the peak charging voltage of a battery and comparing a detected battery voltage with a stored peak charging voltage thereby preventing the erroneous operation due to fluctuation of the load and realizing a float charging operation.

SOLUTION: Battery voltage is detected by a battery voltage detecting circuit 16 and when it is lower than a reference level, a count of a count means 8 is stored in a memory means 4. Upon fluctuation of a load connected with a battery a decision means decides an abrupt fluctuation of the load from the absolute voltage of the battery by controlling the charging current with a predetermined constant current. Memory means 4, 7 store the peak charging voltage of the battery and a reset means 5 resets a stored peak charging voltage. A comparison means 6 compares a detected battery voltage with the stored peak charging voltage. According to the arrangement, two power supply circuits comprising DC stabilized power supplies 1, 2 for charging and the adapter can be reduced to one power supply circuit.

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